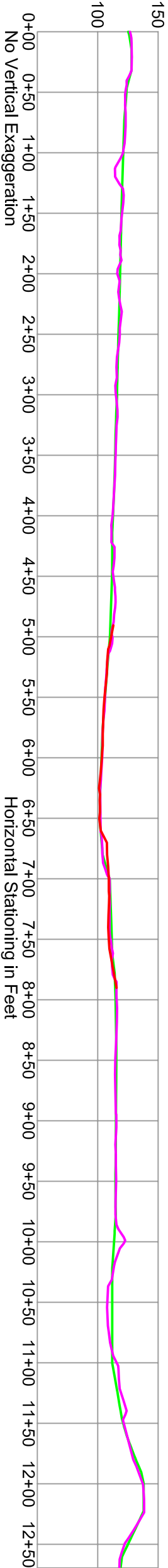


Gravel Pit Operations → Gravel Bar → Channel → Gravel Bar → Pond → Levee



LEGEND

- 1991 IFIM Surveys
- 1997 2-foot contour mapping
- August 2002 Survey
- 1991 Water Surface
- 2002 Water Surface

CONTROL POINT DATA

I-34 -- not found

I-33 (concrete and pipe)
Northing: 2293887.720
Easting: 6671282.104
Elevation: 115.55'

GAGE DATA (from USGS)

Oroville Gage:
7/15/92: 1010cfs
10/9/02: 634cfs
Gridley Gage:
7/15/92: 3000cfs
10/9/02: 2720cfs

TRANSECT DATA

Length (2002): 1269.47'
Length (1991): 299.52'
Azimuth: 49°54'6"
Azimuth: 49°54'6"

Notes:

- 1) Land surveys, depth soundings, and velocities for the 1992 IFIM surveys were conducted on July 15, 1992.
- 2) Assumed elevations for the control points were converted to actual elevations by a level survey performed by DWR-Land and Right-of-Way in June 1996.
- 3) The 1997 cross-section was generated from 2-foot contour topographic mapping from the U.S. Army Corps of Engineers (COE) Comprehensive Study. The actual cross-section was generated using Land Developer and AutoCad software.
- 4) The 2002 cross-section was surveyed in June 2002. Coordinates for the IFIM control points were generated using a RTK GPS survey with a Trimble backpack 4700 receiver. Distances and elevations were measured along section with conventional total station surveying equipment.
- 5) Elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD29).

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Oroville Facilities Relicensing
FERC Project No. 2100

SP--G2 -- Task 3
Appendix C -- Plate 6
Channel Changes -- 1992 - 2002
Weir Riffle -- Transect 1
RM 60.20



Prepared by: JHM -- DWR Date: 8/20/04

Filename: CrossSectionComparisons--IFIM-jhm-